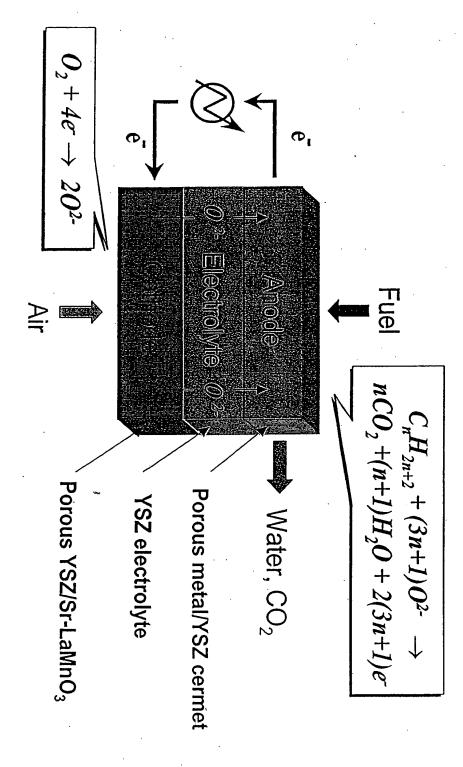
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FIGURE 1A

SOFCs can theoretically operate on hydrocarbon fuels





Stable in liquid fuels

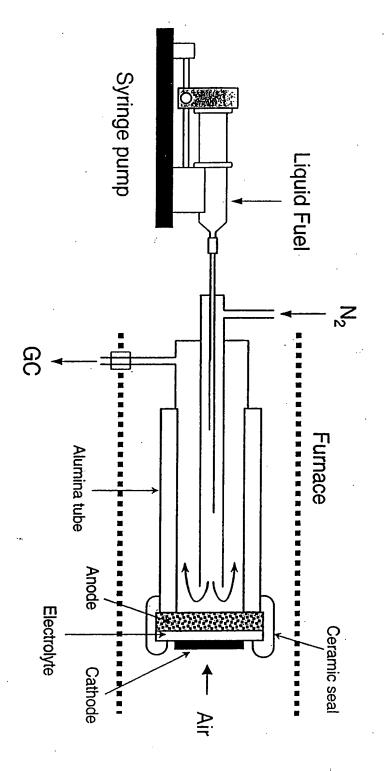
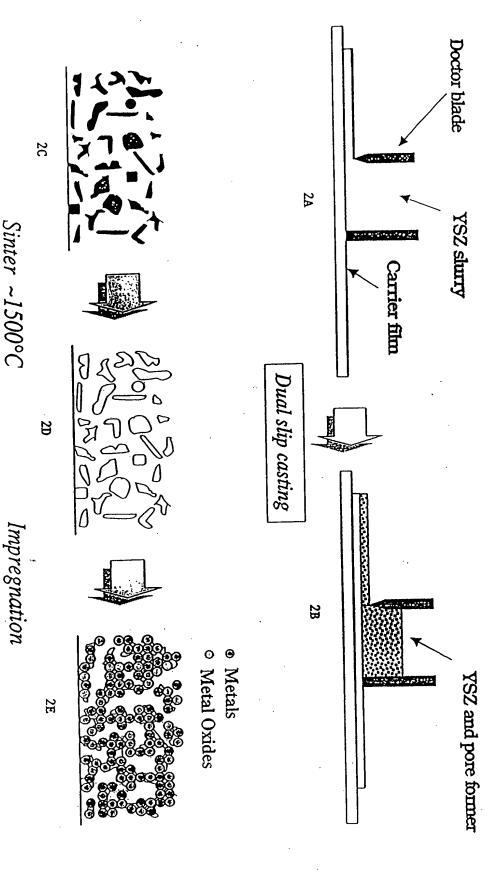


FIGURE 1B

Fabrication methods:

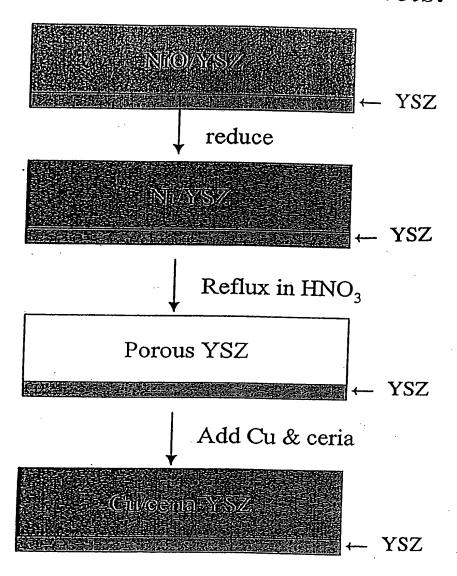




FIGURES 2A – 2E

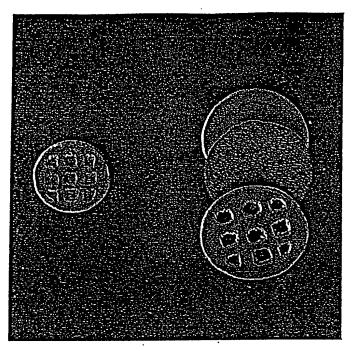


We can remake Ni cermets.





Can we make cells that are stronger?



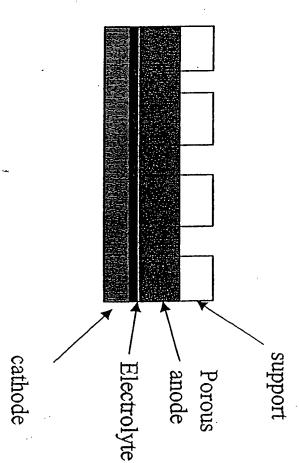
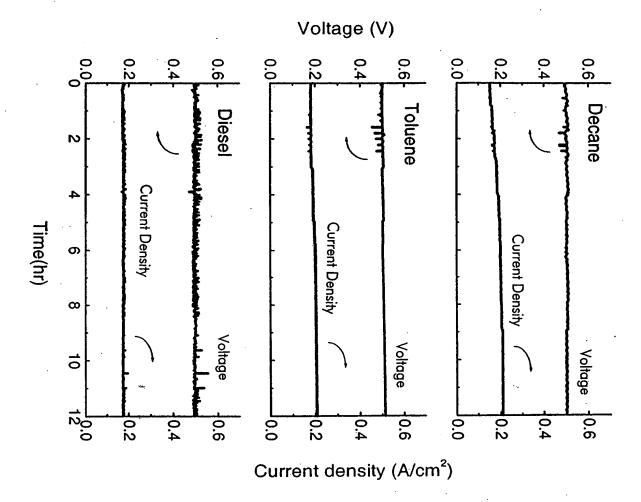
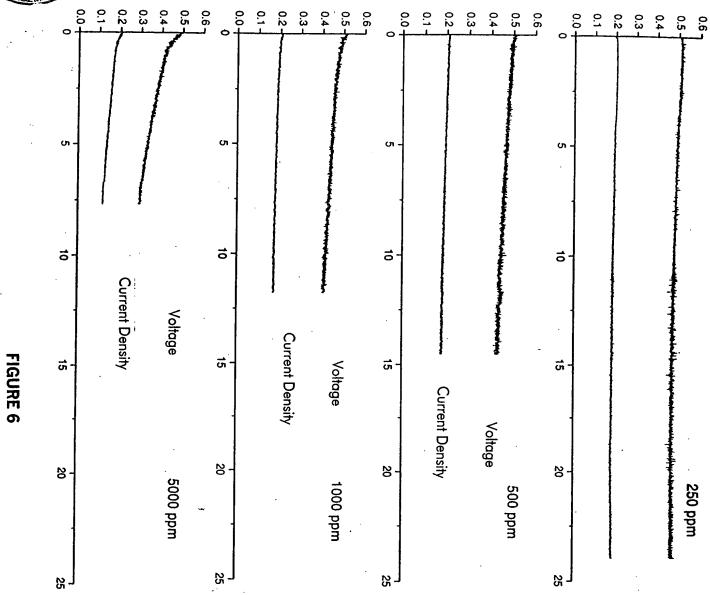


FIGURE 4A

FIGURE 4B



Voltage (V) and Current Density (A/cm²)

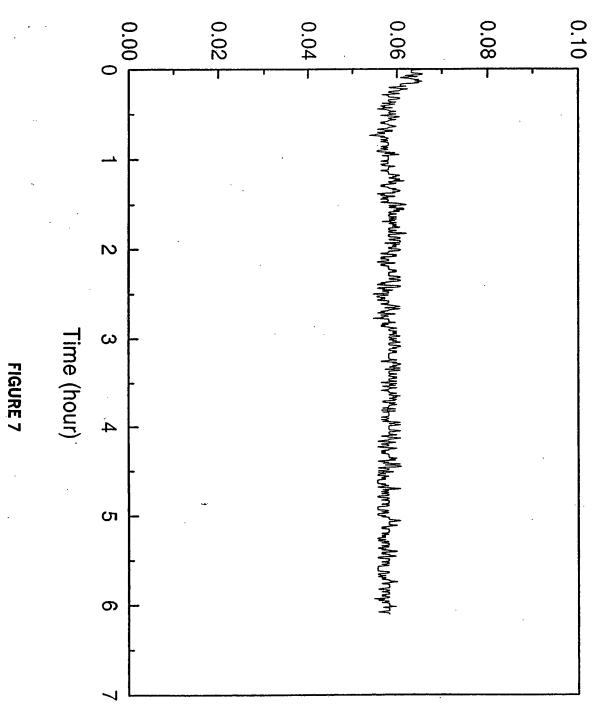


Voltage

Current Density



Current Density (A/cm²)



Voltage (V) and Current Density (A/cm²)

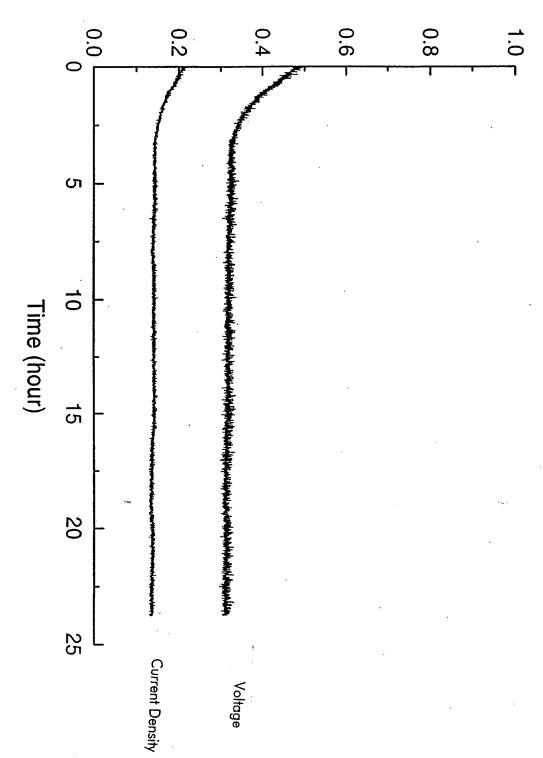


FIGURE 8

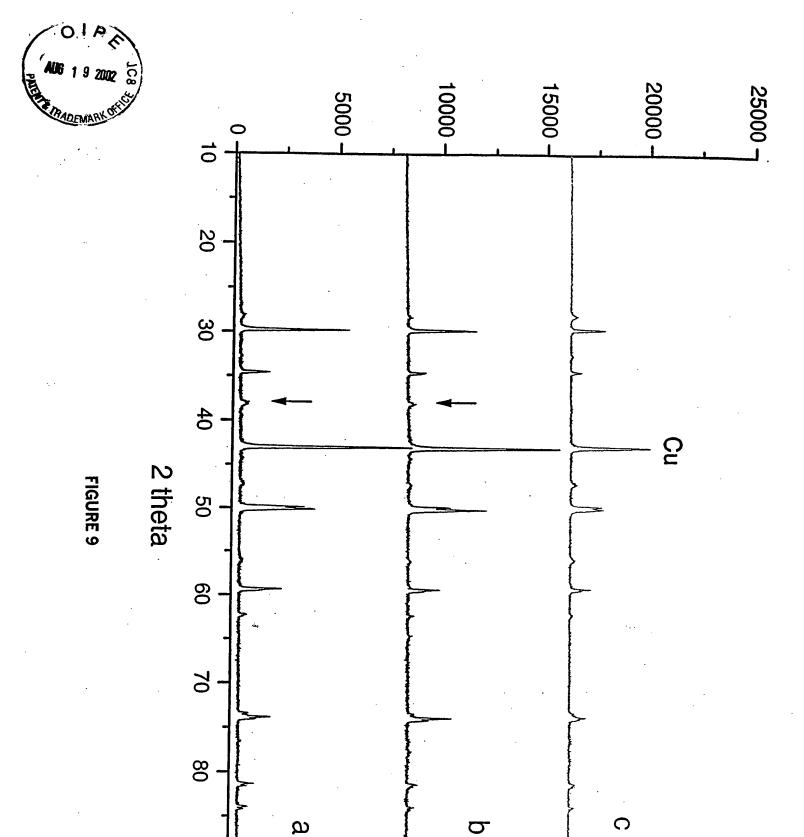
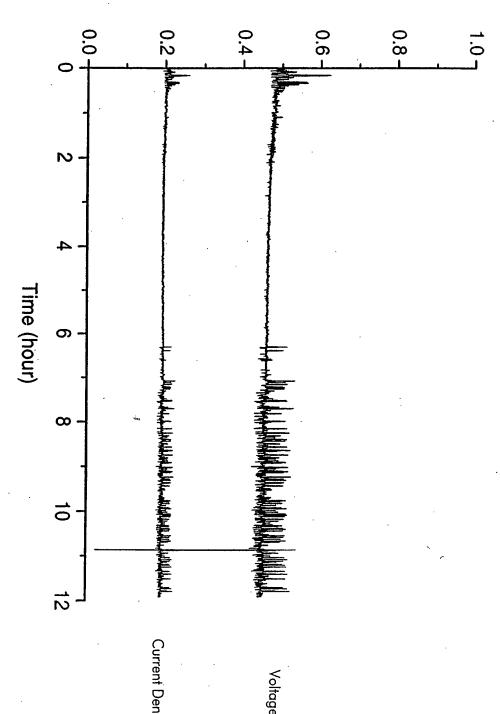
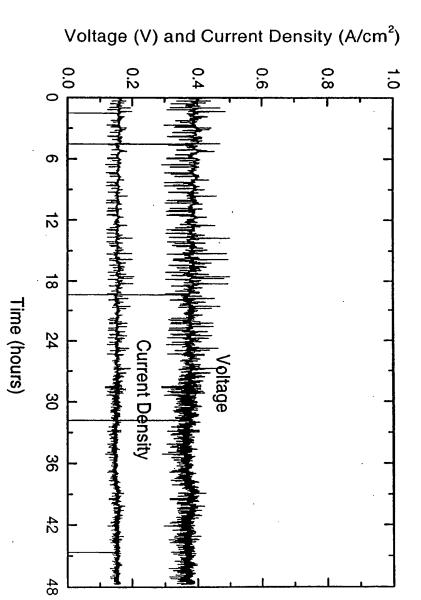


FIGURE 10

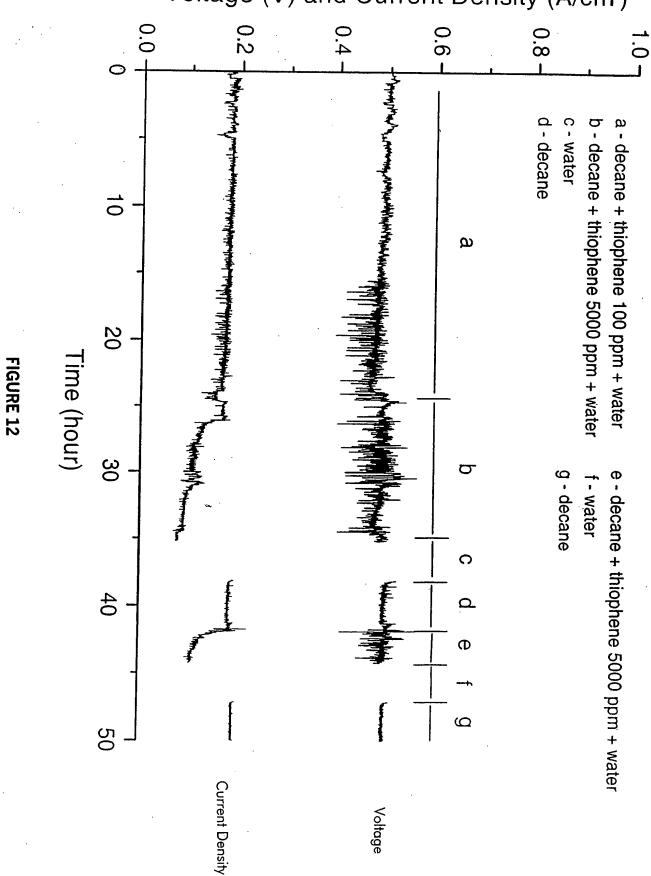






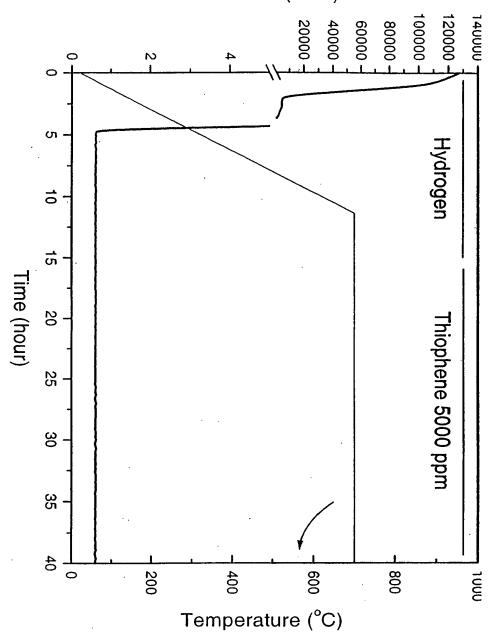














Cell made from 40%Ni/YSZ cermet, after removal of Ni and addition of ceria & Cu.

